

### ***Listing of the Claims***

This listing of claims will replace all prior versions, and listings of claims in the application.

1. (Previously presented) An assay for detecting or quantifying A $\beta$  peptide which may be present in a candidate solution, comprising:

(a) contacting the candidate solution with a solid support with a heavy metal cation immobilized thereon to capture A $\beta$  peptide on the surface of the solid support, thereby forming a first complex which comprises solid support/heavy metal cation/A $\beta$  peptide;

(b) blocking all exposed metal binding sites remaining after A $\beta$  capture with a blocker;

(c) contacting the first complex, which has been passed through step (b), with a polyclonal antibody specific for A $\beta$  peptide to form a second complex which comprises solid support/heavy metal cation/A $\beta$  peptide/polyclonal antibody specific for A $\beta$  peptide;

(d) labelling the second complex to form a detectable third complex which comprises solid support/heavy metal cation/A $\beta$  peptide/polyclonal antibody specific for A $\beta$  peptide/label; and

(e) detecting the third complex, and quantifying A $\beta$  peptide which may be present in the candidate solution.

OK to enter  
7/28/09  
Yao.